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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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EXAMINER

HUYNH, CONG LAC T

ART UNIT PAPER NUMBER

2178

DATE MAILED: 09/20/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

09/998,517

Applicant(s)

KOREN, DOV

Examiner

Cong-Lac Huynh

Art Unit

2178

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 29 November 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 10-133 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☐ Claim(s) \_\_\_\_\_ is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☒ Claim(s) 10-133 are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

**DETAILED ACTION**

***Election/Restrictions***

1. Restriction to one of the following inventions is required under 35 U.S.C. 121:
  - I. Claims 10-17, drawn to a method for interactively manipulating a table using a displayed graphical control associated with an operation to be performed on at least one column or row, classified in class 715, subclass 509.
  - II. Claims 130-131, drawn to a method for interactively manipulating a table using a graphical control associated with an operation to be performed on at least one column or row where the operation is dependent on the type of data in the column or row, classified in class 715, subclass 509.
  - III. Claims 18-27, drawn to a method for interactively manipulating a table using a graphical move control to move a column or row to a different position, classified in class 715, subclass 509.
  - IV. Claims 28-34, drawn to a method for interactively manipulating a table using a hide control to hide a column or row, classified in class 715, subclass 509.
  - V. Claims 35-48, drawn to a method for interactively manipulating a table using a chart control to generate a chart for a column or row, classified in class 715, subclass 509.

- VI. Claims 49-59, drawn to a method for interactively manipulating a table using the sort control to sort the rows or columns, classified in class 715, subclass 509.
- VII. Claims 60-84, drawn to a method for interactively manipulating a table using aggregation control to aggregate rows or columns, classified in class 715, subclass 509.
- VIII. Claims 85-99, drawn to a method for interactively manipulating a table using a graphical filtering control to filter rows and columns, classified in class 715, subclass 509.
- IX. Claims 100-103, drawn to a method for interactively manipulating a table using a graphical virtual column element to make a column a virtual column, classified in class 715, subclass 509.
- X. Claims 104-110, drawn to a method for interactively manipulating a table using graphical control to perform an operation on a proxy column, classified in class 715, subclass 509.
- XI. Claims 111-129, 132-133, drawn to a method for interactively manipulating a table using two or more graphical controls to simultaneously perform two or more operations on the columns or rows in the table, classified in class 715, subclass 509.

The inventions are distinct, each from the other because of the following reasons:

2. Inventions I and III-VIII are related as combination and subcombination.

Inventions in this relationship are distinct if it can be shown that (1) the combination as claimed does not require the particulars of the subcombination as claimed for patentability, and (2) that the subcombination has utility by itself or in other combinations (MPEP § 806.05(c)). In the instant case, the combination as claimed does not require the particulars of the subcombination as claimed because the graphical control in invention I can include any type of graphical controls. The subcombination has separate utility such as the graphical control must be the move control, the hide control, the chart control, the sort control, the aggregation control, or the filtering control, where each graphical control has a specific function on the column or row.

3. Inventions II and III-VIII are related as combination and subcombination.

Inventions in this relationship are distinct if it can be shown that (1) the combination as claimed does not require the particulars of the subcombination as claimed for patentability, and (2) that the subcombination has utility by itself or in other combinations (MPEP § 806.05(c)). In the instant case, the combination as claimed does not require the particulars of the subcombination as claimed because the graphical control in invention II can include any type of graphical controls and the operation by the graphical control is dependent on the type of data in the column or row. The subcombination has separate utility such as the graphical control must be the move control, the hide control, the chart control, the sort control, the aggregation control, or

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the filtering control, where each graphical control has a specific function on the data in the column or row.

4. Inventions II and IX-X are related as combination and subcombination.

Inventions in this relationship are distinct if it can be shown that (1) the combination as claimed does not require the particulars of the subcombination as claimed for patentability, and (2) that the subcombination has utility by itself or in other combinations (MPEP § 806.05(c)). In the instant case, the combination as claimed does not require the particulars of the subcombination as claimed because the graphical control in invention II can include any type of graphical controls and the operation by the graphical control is dependent on the type of data in the column or row. The subcombination has separate utility such as the operations of graphical control is applied on the virtual columns or the proxy columns.

5. Inventions XI and V-VI, VIII are related as combination and subcombination.

Inventions in this relationship are distinct if it can be shown that (1) the combination as claimed does not require the particulars of the subcombination as claimed for patentability, and (2) that the subcombination has utility by itself or in other combinations (MPEP § 806.05(c)). In the instant case, the combination as claimed does not require the particulars of the subcombination as claimed because the plurality of graphical controls can be at least of any two graphical controls. The subcombination

has separate utility such as the graphical control for manipulating a table is the chart control, the sort control, or the filtering control.

6. Inventions I and III-VIII are related as subcombinations disclosed as usable together in a single combination. The subcombinations are distinct from each other if they are shown to be separately usable. In the instant case, inventions III-VIII have separate utility such as the specific move control, hide control, chart control, sort control, aggregation control, or filtering control, each has a specific function on the data in the column or row whereas invention I is any type of graphical controls for manipulating data in the column or row. See MPEP § 806.05(d).

7. Inventions II and III-VIII are related as subcombinations disclosed as usable together in a single combination. The subcombinations are distinct from each other if they are shown to be separately usable. In the instant case, inventions III-VIII have separate utility such as the specific move control, hide control, chart control, sort control, aggregation control, or filtering control whereas invention II is any type of graphical controls for manipulating data in the column or row. See MPEP § 806.05(d).

8. Inventions XI and III-VIII are related as subcombinations disclosed as usable together in a single combination. The subcombinations are distinct from each other if they are shown to be separately usable. In the instant case, inventions III-VIII have separate utility such as the specific move control, hide control, chart control, sort

control, aggregation control, or filtering control whereas invention XI is a combination of any two of graphical controls for manipulating data in the column or row. See MPEP § 806.05(d).

9. Because these inventions are distinct for the reasons given above and the search required for Group I or II is not required for Group III-VIII, restriction for examination purposes as indicated is proper.

10. Because these inventions are distinct for the reasons given above and the search required for Group XI is not required for Group II-IV, VII, restriction for examination purposes as indicated is proper.

11. Because these inventions are distinct for the reasons given above and have acquired a separate status in the art because of their recognized divergent subject matter, restriction for examination purposes as indicated is proper.

12. Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

13. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Cong-Lac Huynh whose telephone number is 571-272-4125. The examiner can normally be reached on Mon-Thurs (8:30-6:30).



If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stephen Hong can be reached on 571-272-4124. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Cong-Lac Huynh  
Examiner  
Art Unit 2178  
9/12/05